

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Carbon Monoxide (CO)

Units: Parts per Million (PPM)

Month: April

Year: 2006

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min														
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0														
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0														
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CA	CA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0														
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1														
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0														
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0														
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0													
9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0													
10	0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	CA	CA	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.0	0.2	0.0													
11	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0													
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CA	CA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0												
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																	
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
17	0.1	0.2	0.1	0.3	0.2	0.3	0.4	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.4	0.1	0.1	0.0												
18	0.1	0.2	0.2	0.1	0.2	0.0	0.3	0.6	0.2	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.0	0.0												
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0												
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.2	0.1	CA	CA	0.0	ST	0.0	0.0	0.0	0.0	0.1	1.4	0.0	0.0	0.0																	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	IM	0.0	0.0	0.0																														
22	IM	0.0	0.0	0.0																																					
23	IM	0.0	0.0	0.0																																					
24	IM	0.0	0.0	0.0																																					
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0												
26	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.5	0.3	0.2	0.3	0.2	0.1	0.1	0.1	ST	0.0	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.0															
27	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	ST	0.3	0.6	0.0																							
28	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.3	0.3	0.5	0.4	0.4	0.4	0.3	0.3	ST	0.3	0.4	0.4	0.5	0.3	0.3																		
29	0.6	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	ST	0.5	0.6	0.5	0.5	0.5	0.5																
30	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.7	0.6	ST	0.6	0.8	0.5																								
Average	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1						
Maximum	0.6	0.6	0.5	0.6	0.6	0.6	1.4	0.6	0.7	0.8	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.1	0.1	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Oxides of Nitrogen (NOx)

Units: Parts per Billion (PPB)

Month: April

Year: 2006

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	0.5	4.5	0.9	0.4	4.5	0.0		
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CA	CA	10.0	7.4	7.4	2.5	19.4	18.2	31.0	17.4	3.6	8.6	5.7	31.0	0.0	
4	25.3	13.7	10.3	8.2	6.9	5.1	13.7	12.2	8.8	4.5	5.5	7.1	5.9	4.3	1.1	0.6	1.7	1.2	3.1	1.9	0.1	0.5	0.9	0.0	5.9	25.3	0.0	
5	3.1	4.6	1.0	4.7	1.5	4.7	14.1	19.4	23.4	13.7	8.8	10.6	11.6	1.7	0.8	0.4	1.6	3.2	0.9	4.3	10.5	18.8	12.7	6.3	7.6	23.4	0.4	
6	3.7	5.7	1.5	1.2	1.0	4.2	6.6	13.8	22.5	2.8	0.5	1.3	0.7	1.0	0.5	1.8	5.1	10.7	9.9	13.1	14.3	16.7	13.4	7.6	6.7	22.5	0.5	
7	7.2	7.8	4.9	6.2	2.8	7.7	11.0	23.1	30.3	9.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.7	30.3	0.0	
8	0.0	1.4	0.7	1.9	0.8	2.0	5.0	9.0	5.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.3	3.6	5.9	10.2	11.8	14.3	3.2	14.3	0.0	
9	10.7	6.8	4.9	5.6	3.9	4.7	5.6	5.9	2.6	2.2	1.3	0.7	0.3	0.1	0.1	0.7	0.0	0.0	0.0	3.8	2.5	1.9	3.0	2.3	2.9	10.7	0.0	
10	1.4	4.1	1.9	2.3	2.4	3.5	8.3	14.7	12.4	6.7	6.6	CA	CA	0.6	0.0	0.8	0.1	0.1	0.3	0.7	1.7	1.3	2.8	2.4	3.4	14.7	0.0	
11	1.9	4.6	1.9	3.2	3.1	3.4	4.4	14.8	11.8	3.9	0.7	0.4	0.7	1.9	1.8	4.6	1.6	0.0	1.0	1.8	2.6	2.1	1.7	0.1	3.1	14.8	0.0	
12	0.2	2.5	0.3	1.5	1.5	1.9	12.9	16.7	24.9	19.5	13.8	CA	CA	4.0	5.7	2.7	8.9	5.9	3.2	4.7	13.2	4.8	9.1	7.5	24.9	0.2		
13	9.8	9.7	12.3	20.1	28.2	25.7	39.4	57.1	42.0	33.0	26.1	16.6	22.2	20.1	14.5	ST	15.6	16.3	24.0	57.1	9.7							
14	16.7	18.2	15.5	9.6	19.4	29.2	37.3	49.3	26.6	19.0	36.5	30.3	21.3	20.6	12.9	15.3	14.9	14.3	11.7	8.8	9.9	8.9	9.5	8.6	19.3	49.3	8.6	
15	13.1	8.8	7.3	9.0	7.1	7.5	6.2	6.1	6.9	5.9	4.3	4.8	5.6	4.6	5.0	4.0	4.5	4.3	4.8	4.0	5.3	5.0	6.2	4.1	6.0	13.1	4.0	
16	4.7	4.7	3.8	3.8	3.7	4.4	5.6	4.4	5.1	4.2	5.6	6.3	10.0	7.9	4.3	5.1	3.5	4.4	5.1	5.6	8.2	10.8	11.3	5.8	11.3	3.5		
17	8.8	10.4	7.1	10.0	9.6	11.5	17.8	19.6	14.3	11.1	12.5	15.6	12.0	13.7	13.0	11.5	10.5	10.1	9.9	11.3	14.4	16.9	15.4	14.4	12.6	19.6	7.1	
18	10.2	18.8	14.3	18.3	17.5	26.8	37.1	79.8	34.7	55.0	38.3	14.1	13.2	12.5	11.8	11.0	10.3	13.5	13.6	12.0	15.9	17.3	22.0	23.4	22.6	79.8	10.2	
19	19.8	14.9	10.8	12.4	9.5	21.6	20.8	22.9	19.4	15.3	20.6	14.1	26.9	21.7	23.3	ST	21.8	16.2	18.4	26.9	9.5							
20	11.0	7.9	7.7	19.3	17.2	22.6	30.1	65.2	28.9	36.0	40.3	CA	CA	17.7	14.1	ST	ST	ST	5.6	4.9	7.2	8.0	7.9	19.5	65.2	4.9		
21	10.3	6.7	1.0	1.4	1.1	5.0	4.3	IM	4.3	10.3	1.0																	
22	IM																											
23	IM																											
24	IM	0.0	IM	IM	0.0	4.3	6.0	6.4	4.6	1.7	3.3	6.4																
25	0.0	2.5	0.2	0.0	0.0	0.6	2.4	4.0	3.5	10.6	20.4	16.5	13.3	7.8	9.8	10.8	12.8	14.8	15.2	12.0	5.9	1.6	5.7	4.8	7.3	20.4	0.0	
26	2.2	7.5	6.5	2.5	10.2	5.0	21.6	46.3	32.7	25.0	23.0	14.8	3.4	5.5	6.0	ST	2.6	0.5	0.3	12.0	46.3	0.3						
27	0.0	0.0	0.6	0.0	0.0	0.2	3.8	13.3	14.7	17.1	24.9	25.3	14.9	ST	8.2	25.3	0.0											
28	1.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	2.8	1.9	1.0	2.5	1.5	ST	2.4	0.0	0.9	2.8	0.0						
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	5.9	ST	ST	ST	ST	3.2	2.8	0.6	5.9	0.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.3	11.6	4.1	ST	1.9	11.6	0.0									
Average	6.0	6.0	4.2	5.2	5.5	7.3	11.3	18.8	14.3	11.3	11.0	8.1	8.3	6.3	6.0	4.2	4.5	4.8	5.5	5.7	7.2	7.5	7.4	6.6				
Maximum	25.3	18.8	15.5	20.1	28.2	29.2	39.4	79.8	42.0	55.0	40.3	30.3	26.9	21.7	23.3	15.3	14.9	14.8	19.4	18.2	31.0	18.8	22.0	23.4				
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Nitrous Oxide (NO)

Units: Parts per Billion (PPB)

Month: April

Year: 2006

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CA	CA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	5.4	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	8.5	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	11.8	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CA	CA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.3	3.6	2.6	1.1	CA	CA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.6	0.0	
13	0.0	0.0	0.0	0.0	5.9	5.0	19.8	38.7	22.9	13.5	8.5	3.2	4.8	1.2	0.7	ST	0.0	0.0	7.3	38.7	0.0							
14	0.0	0.0	0.0	0.1	0.4	3.7	15.4	26.3	5.5	1.5	9.5	6.0	1.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	26.3	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	6.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	4.8	12.8	54.9	11.1	24.1	11.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	54.9	0.0	
19	0.0	0.0	0.0	0.2	0.0	7.3	5.0	11.3	6.3	2.6	3.9	0.6	5.7	1.6	0.0	ST	0.0	0.0	2.6	11.3	0.0							
20	0.0	0.0	0.0	1.8	0.1	7.3	13.7	42.5	9.0	11.4	14.5	CA	CA	CA	0.0	0.0	ST	ST	ST	ST	ST	ST	0.0	0.0	5.6	42.5	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	0.0	0.0	0.0	
22	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM						
23	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM						
24	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM						
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.8	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	23.0	12.3	6.6	6.0	2.1	0.0	0.0	0.0	ST	0.0	0.0	2.9	23.0	0.0						
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.7	3.3	4.7	2.3	0.0	ST	1.1	4.7	0.0										
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ST	0.0	0.0	0.0	0.0							
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ST	ST	ST	ST	ST	ST	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ST	0.0	0.0	0.0	0.0							
Average	0.0	0.0	0.0	0.1	0.2	1.0	2.6	8.1	3.8	2.5	2.4	0.8	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Maximum	0.0	0.5	0.0	1.8	5.9	7.3	19.8	54.9	22.9	24.1	14.5	6.0	5.7	2.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Nitrogen Dioxide (NO2)

Units: Parts per Billion (PPB)

Month: April

Year: 2006

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min		
1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	0.5	4.5	0.9	0.4	4.5	0.0			
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CA	CA	10.0	7.4	7.4	2.5	19.4	18.2	31.0	17.4	3.6	8.6	5.7	31.0	0.0		
4	25.3	13.7	10.3	8.2	6.9	5.1	13.7	12.2	8.8	4.5	5.5	7.1	5.9	4.3	1.1	0.6	1.7	1.2	3.1	1.9	0.1	0.5	0.9	0.0	5.9	25.3	0.0		
5	3.1	4.6	1.0	4.7	1.5	4.7	14.1	17.7	18.1	13.7	8.8	10.6	11.6	1.7	0.8	0.4	1.6	3.2	0.9	4.3	10.5	18.8	12.7	6.3	7.3	18.8	0.4		
6	3.7	5.7	1.5	1.2	1.0	4.2	6.6	12.7	14.0	2.8	0.5	1.3	0.7	1.0	0.5	1.8	5.1	10.7	9.9	13.1	14.3	16.7	13.4	7.6	6.2	16.7	0.5		
7	7.2	7.8	4.9	6.2	2.8	7.7	11.0	17.6	18.5	9.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.0	18.5	0.0		
8	0.0	1.4	0.7	1.9	0.8	2.0	5.0	9.0	5.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.3	3.6	5.9	10.2	11.8	14.3	3.2	14.3	0.0		
9	10.7	6.8	4.9	5.6	3.9	4.7	5.6	5.9	2.6	2.2	1.3	0.7	0.3	0.1	0.1	0.7	0.0	0.0	3.8	2.5	1.9	3.0	2.3	2.9	10.7	0.0			
10	1.4	4.1	1.9	2.3	2.4	3.5	8.3	14.7	12.4	6.7	6.6	CA	CA	0.6	0.0	0.8	0.1	0.1	0.3	0.7	1.7	1.3	2.8	2.4	3.4	14.7	0.0		
11	1.9	4.6	1.9	3.2	3.1	3.4	4.4	14.8	11.8	3.9	0.7	0.4	0.7	1.9	1.8	4.6	1.6	0.0	1.0	1.8	2.6	2.1	1.7	0.1	3.1	14.8	0.0		
12	0.2	2.1	0.3	1.5	1.5	1.9	12.9	16.4	21.2	16.9	12.7	CA	CA	4.0	5.7	2.7	8.9	5.9	3.2	4.7	13.2	4.8	9.1	7.1	21.2	0.2			
13	9.8	9.7	12.3	20.1	22.4	20.6	19.5	18.3	19.1	19.5	17.6	13.4	17.4	18.8	13.8	ST	15.6	16.3	16.7	22.4	9.7								
14	16.7	18.2	15.5	9.4	19.0	25.5	21.8	23.0	21.1	17.5	27.1	24.3	19.8	18.0	12.9	15.3	14.9	14.3	11.7	8.8	9.9	8.9	9.5	8.6	16.3	27.1	8.6		
15	13.1	8.8	7.3	9.0	7.1	7.5	6.2	6.1	6.9	5.9	4.3	4.8	5.6	4.6	5.0	4.0	4.5	4.3	4.8	4.0	5.3	5.0	6.2	4.1	6.0	13.1	4.0		
16	4.7	4.7	3.8	3.8	3.7	4.4	5.6	4.4	6.4	5.1	4.2	5.6	6.3	10.0	7.9	4.3	5.1	3.5	4.4	5.1	5.6	8.2	10.8	11.3	5.8	11.3	3.5		
17	8.8	10.4	7.1	10.0	9.6	11.5	17.8	13.6	14.0	11.1	12.5	15.3	12.0	13.7	13.0	11.5	10.5	10.1	9.9	11.3	14.4	16.9	15.4	14.4	12.3	17.8	7.1		
18	10.2	18.8	14.3	18.3	17.5	22.1	24.3	24.9	23.6	30.8	26.7	14.1	13.0	12.5	11.8	11.0	10.3	13.5	13.6	12.0	15.9	17.3	22.0	23.4	17.6	30.8	10.2		
19	19.8	14.9	10.8	12.2	9.5	14.3	15.8	11.5	13.1	12.7	16.8	13.5	21.2	20.1	23.3	ST	21.8	16.2	15.7	23.3	9.5								
20	11.0	7.9	7.7	17.5	17.1	15.3	16.3	22.7	20.0	24.6	25.8	CA	CA	17.7	14.1	ST	ST	ST	5.6	4.9	7.2	8.0	7.9	14.0	25.8	4.9			
21	10.3	6.7	1.0	1.4	1.1	5.0	4.3	IM	4.3	10.3	1.0																		
22	IM																												
23	IM																												
24	IM	0.0	IM	IM	0.0	4.3	6.0	6.4	4.6	1.7	3.3	6.4	0.0																
25	0.0	2.5	0.2	0.0	0.0	0.6	2.4	4.0	3.5	10.6	17.6	15.7	13.3	7.8	9.8	10.8	12.8	14.8	15.2	12.0	5.9	1.6	5.7	4.8	7.1	17.6	0.0		
26	2.2	7.5	6.5	2.5	10.2	5.0	18.9	23.3	20.4	18.5	16.9	12.7	3.4	5.5	6.0	ST	2.6	0.5	0.3	9.0	23.3	0.3							
27	0.0	0.0	0.6	0.0	0.0	0.2	3.8	11.5	11.9	13.8	20.2	23.1	14.9	ST	7.1	23.1	0.0												
28	1.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	2.8	1.9	1.0	2.5	1.5	ST	ST	ST	ST	ST	ST	2.4	0.0	0.9	2.8	0.0		
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	5.9	ST	ST	ST	3.2	2.8	0.6	5.9	0.0			
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.3	11.6	4.1	ST	1.9	11.6	0.0										
Average	6.0	6.0	4.2	5.1	5.2	6.3	8.7	10.7	10.5	8.8	8.7	7.4	7.6	6.0	6.0	4.2	4.5	4.8	5.5	5.7	7.2	7.5	7.4	6.6					
Maximum	25.3	18.8	15.5	20.1	22.4	25.5	24.3	24.9	23.6	30.8	27.1	24.3	23.1	20.1	23.3	15.3	14.9	14.8	19.4	18.2	31.0	18.8	22.0	23.4					
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

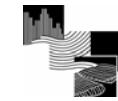
Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR

PCR Services Corporation

Parameter: Wind Speed

Units: Meters per Second (m/s)

Month: April

Year: 2006

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min		
1	1.3	0.9	0.6	1.4	1.2	1.5	2.2	2.8	3.0	3.4	3.5	2.9	2.5	2.5	2.1	2.4	2.8	2.1	0.8	1.1	0.4	0.6	0.4	0.8	1.8	3.5	0.4		
2	1.8	1.9	2.0	2.5	2.2	2.3	2.7	3.1	3.3	3.4	3.7	3.1	2.8	2.8	2.8	3.0	3.4	4.3	4.0	3.3	3.8	4.2	4.0	4.3	3.1	4.3	1.8		
3	4.3	4.0	3.9	3.9	3.0	2.9	1.7	1.7	2.4	1.6	1.8	1.7	1.7	0.8	0.0	0.4	0.7	0.9	1.7	0.5	0.7	0.1	0.8	0.9	1.8	4.3	0.0		
4	0.6	0.3	0.4	0.4	1.0	2.4	1.7	1.7	1.4	1.3	0.4	0.5	2.0	2.5	2.3	2.2	3.6	3.0	2.8	3.7	3.4	3.0	2.6	2.3	1.9	3.7	0.3		
5	2.2	2.1	2.5	2.2	2.1	2.0	1.6	1.5	0.6	1.1	2.9	1.4	1.3	3.7	3.8	3.5	3.6	3.4	1.6	2.0	0.2	0.4	0.6	0.9	2.0	3.8	0.2		
6	1.2	1.6	2.3	2.4	2.3	2.4	1.9	2.9	3.0	2.0	1.2	1.2	0.8	1.4	0.6	1.1	3.2	2.7	1.3	2.1	0.5	0.7	0.9	1.8	3.2	0.5			
7	1.1	1.4	0.8	2.5	3.2	3.2	3.0	3.0	3.3	3.5	3.8	3.6	3.8	3.7	3.1	3.1	2.7	3.6	3.6	2.6	2.1	1.6	1.1	1.9	2.7	3.8	0.8		
8	2.4	2.2	2.0	1.9	2.4	2.3	2.2	2.1	2.9	2.7	1.7	2.0	2.5	1.8	1.3	1.7	1.0	2.2	2.3	2.9	2.3	1.8	1.3	0.4	2.0	2.9	0.4		
9	0.7	1.3	1.8	1.4	1.2	0.8	0.9	0.7	1.3	1.7	0.7	0.6	0.6	2.1	0.5	0.5	1.9	1.9	1.7	1.6	0.9	1.3	1.2	1.2	1.2	2.1	0.5		
10	2.0	2.2	2.3	2.4	1.9	2.4	2.5	2.6	2.7	2.9	3.0	3.9	4.0	1.3	1.2	1.4	1.5	1.2	1.3	0.4	1.5	1.9	2.2	2.3	2.1	4.0	0.4		
11	2.4	2.6	2.9	3.2	4.0	3.6	3.2	3.3	3.3	5.2	6.0	7.0	5.7	5.1	2.6	2.5	3.0	4.0	2.8	2.1	2.5	3.1	2.6	3.2	3.6	7.0	2.1		
12	3.2	2.5	3.0	2.8	2.0	2.0	1.5	2.3	2.8	3.0	3.0	3.1	4.1	3.2	1.8	0.5	0.8	2.4	4.5	2.6	0.4	0.4	1.1	0.6	2.2	4.5	0.4		
13	0.4	0.1	0.1	0.3	0.3	1.0	0.4	0.2	0.4	1.1	0.9	1.6	2.0	2.1	2.5	2.5	2.8	2.8	2.7	2.4	1.3	2.2	2.9	1.0	1.4	2.9	0.1		
14	0.8	0.3	0.2	0.4	0.6	0.7	0.2	0.2	0.2	0.0	0.9	1.1	0.9	0.9	1.0	1.9	2.1	2.7	2.5	4.0	2.4	1.5	0.9	1.1	1.1	4.0	0.0		
15	0.2	0.3	0.9	1.5	2.2	2.4	1.4	1.8	2.7	2.8	0.9	1.2	1.6	1.3	1.4	1.1	1.8	2.6	3.1	3.2	2.7	2.0	2.0	2.6	1.8	3.2	0.2		
16	2.6	3.0	2.6	2.5	3.1	3.1	3.5	3.7	2.4	2.9	3.3	0.9	0.8	0.6	0.8	1.2	1.6	0.7	2.3	2.0	1.8	0.6	0.4	0.3	1.9	3.7	0.3		
17	0.1	0.4	0.6	0.1	0.2	0.4	0.4	1.5	2.0	0.2	1.1	2.3	3.1	2.7	3.1	3.4	3.8	4.0	4.3	4.0	2.9	3.0	1.9	2.0	4.3	0.1			
18	0.8	0.3	0.2	0.0	0.1	0.2	0.2	0.3	2.1	2.6	2.7	3.5	3.4	3.3	3.4	3.0	3.5	3.5	4.2	3.5	2.4	2.1	0.9	0.1	1.9	4.2	0.0		
19	0.3	0.1	0.3	0.2	0.7	0.9	1.0	1.3	0.5	0.2	1.1	1.7	1.8	2.5	2.4	2.4	2.9	2.8	3.4	3.2	2.0	2.0	1.7	1.1	1.5	3.4	0.1		
20	0.1	0.0	0.2	0.1	0.0	0.1	0.1	1.1	1.5	1.9	1.6	1.5	1.7	1.7	2.6	2.7	3.7	4.4	3.9	3.4	2.8	2.8	2.2	1.7	1.7	4.4	0.0		
21	2.0	1.6	1.8	2.6	1.9	1.7	1.3	IM	1.3																				
22	IM																												
23	IM																												
24	IM	0.9	1.5	IM	IM	1.4	2.7	2.1	2.3	2.5	1.9	2.7	0.9																
25	2.1	2.2	1.4	1.7	1.9	1.5	1.7	1.5	1.6	1.5	2.2	2.1	2.3	2.2	1.9	1.4	1.3	1.3	0.6	2.6	2.8	3.0	1.6	2.7	1.9	3.0	0.6		
26	2.0	0.1	0.6	0.4	0.7	0.6	1.2	2.1	1.9	2.0	1.5	1.9	2.2	1.2	3.5	5.0	4.8	4.5	4.4	3.5	3.6	3.2	2.9	2.0	2.3	5.0	0.1		
27	1.4	1.9	1.6	1.2	1.1	0.1	0.0	0.3	1.3	1.1	0.8	1.5	1.6	1.8	2.3	2.3	1.3	0.8	4.3	3.9	3.7	3.1	3.2	3.7	1.8	4.3	0.0		
28	3.8	3.5	4.0	4.1	3.8	3.5	3.6	3.9	3.8	3.6	3.6	3.2	3.3	3.1	3.4	3.8	3.9	4.2	4.1	3.9	3.7	3.4	2.7	2.3	3.6	4.2	2.3		
29	3.0	3.1	2.7	2.6	2.3	2.3	2.1	2.4	2.6	2.5	2.9	2.7	3.1	3.0	2.3	1.4	0.4	2.5	1.7	2.5	2.4	2.3	1.9	2.5	2.4	3.1	0.4		
30	2.4	2.4	2.2	2.1	2.1	2.3	2.0	1.9	1.9	1.6	0.5	2.6	2.9	2.9	3.4	3.6	3.1	3.4	2.3	2.1	1.9	0.5	0.8	1.5	2.2	3.6	0.5		
Average	1.7	1.6	1.6	1.7	1.8	1.6	1.9	2.1	2.2	2.2	2.3	2.4	2.3	2.2	2.2	2.4	2.8	2.8	2.6	2.2	2.0	1.8	1.7						
Maximum	4.3	4.0	4.0	4.1	4.0	3.6	3.6	3.9	3.8	5.2	6.0	7.0	5.7	5.1	3.8	5.0	4.8	4.5	4.5	4.0	3.8	4.2	4.0	4.3					
Minimum	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.2	0.0	0.4	0.5	0.6	0.6	0.0	0.4	0.4	0.7	0.6	0.4	0.2	0.1	0.4	0.1	0.1	0.1	0.1			

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Wind Direction

Units: Degrees True

Month: April

Year: 2006

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	122	122	138	125	114	104	120	123	139	131	128	130	122	131	135	139	152	203	283	30	295	150	160	143	295	30		
2	135	127	145	141	131	123	127	127	131	130	129	131	126	131	136	135	142	133	133	118	119	114	118	115	129	145	114	
3	116	112	110	111	110	102	119	113	115	121	103	124	116	274	237	267	231	230	296	278	282	194	146	258	173	296	102	
4	293	269	291	293	123	141	141	129	136	125	104	63	107	101	140	129	120	130	128	124	117	130	121	129	149	293	63	
5	128	124	126	127	129	130	132	137	154	284	295	289	286	286	290	287	298	290	268	291	189	135	135	118	205	298	118	
6	123	122	126	125	126	130	122	125	130	139	160	153	138	134	138	309	297	297	290	302	300	134	139	175	309	122		
7	123	126	113	132	129	134	134	142	138	134	112	143	129	162	163	183	168	114	121	143	142	150	135	127	137	183	112	
8	121	130	134	137	127	134	127	134	134	132	121	125	120	128	156	134	159	292	289	302	298	286	289	134	173	302	120	
9	144	138	128	144	130	117	125	122	134	128	138	161	193	140	178	250	124	136	146	119	136	135	134	137	143	250	117	
10	135	133	133	128	128	133	125	125	115	119	114	122	120	186	235	223	208	231	200	161	126	135	128	127	150	235	114	
11	122	116	112	123	117	129	122	126	126	131	122	116	118	125	137	137	135	156	140	123	128	117	122	127	126	156	112	
12	127	127	133	128	125	133	125	124	134	126	128	126	125	122	123	167	112	130	123	160	110	86	150	85	126	167	85	
13	103	289	358	333	278	289	273	142	189	292	291	287	289	284	288	291	291	291	293	297	292	292	292	296	276	358	103	
14	282	174	140	141	281	283	316	186	147	52	272	281	140	283	225	267	262	293	288	296	294	290	270	292	240	316	52	
15	285	109	112	126	125	130	145	127	134	129	189	189	195	204	213	178	175	153	145	149	146	127	127	120	155	285	109	
16	112	124	118	127	130	131	123	116	130	133	122	169	115	276	265	247	263	263	269	299	283	288	280	162	189	299	112	
17	143	136	138	253	133	154	132	131	119	269	279	291	296	282	287	297	296	296	299	300	299	297	292	238	300	119		
18	287	41	166	86	137	113	127	317	289	295	293	285	281	283	289	292	291	295	298	302	307	301	294	291	248	317	41	
19	266	287	145	141	126	144	125	134	133	205	288	293	291	291	292	287	287	299	305	293	275	289	292	277	240	305	125	
20	139	175	145	12	20	147	263	289	285	290	284	286	286	289	295	299	298	299	296	301	292	297	295	300	245	301	12	
21	306	304	300	299	300	290	300	IM	300	306	290																	
22	IM																											
23	IM																											
24	IM	273	277	IM	IM	275	296	294	302	303	289	303	273															
25	303	300	301	295	294	299	285	277	276	270	288	290	285	285	290	288	284	284	275	300	299	304	303	302	291	304	270	
26	291	59	278	289	123	122	280	286	283	284	279	139	149	145	132	118	116	117	116	112	116	113	111	120	174	291	59	
27	124	126	114	135	137	281	256	235	287	295	293	281	279	266	278	289	274	173	137	133	124	117	118	113	203	295	113	
28	113	110	111	111	112	112	112	111	112	112	120	128	145	143	138	138	137	133	128	117	114	116	116	112	121	145	110	
29	110	112	113	129	114	129	127	128	117	117	117	123	127	141	152	136	147	295	293	142	138	139	130	132	142	295	110	
30	115	108	128	137	148	135	136	142	138	137	277	291	299	292	292	298	297	296	298	292	298	281	276	292	225	299	108	
Average	173	152	161	160	146	158	167	160	162	176	193	193	188	207	212	218	216	222	222	206	208	195	187					
Maximum	306	304	358	333	300	299	316	317	289	295	293	299	292	295	299	309	299	305	302	307	304	303	303					
Minimum	103	41	110	12	20	102	112	112	111	52	103	63	107	101	123	118	112	114	116	112	30	86	111	85				

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR

PCR Services Corporation

Parameter: Ambient Temperature

Units: Degrees Celcius (oC)

Month: April

Year: 2006

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min			
1	7.3	7.3	6.9	6.6	5.9	5.6	5.4	5.8	6.4	8.7	10.8	12.4	13.4	14.2	14.9	15.3	15.5	15.5	15.0	13.3	12.3	11.9	10.9	9.8	10.5	15.5	5.4			
2	9.5	8.8	8.6	8.6	8.7	8.4	8.5	8.5	9.3	10.5	11.9	13.2	14.3	15.6	16.3	16.6	16.7	15.7	13.0	12.3	12.3	12.2	12.2	12.3	11.8	16.7	8.4			
3	12.5	12.6	12.6	12.8	12.9	13.0	13.2	13.4	13.4	13.5	13.8	14.3	14.5	13.6	15.0	15.3	15.5	15.1	14.3	13.8	12.8	12.3	12.1	12.0	13.5	15.5	12.0			
4	11.4	11.2	11.1	10.9	11.1	11.4	11.1	11.5	11.6	12.4	12.5	10.8	10.6	10.9	11.4	11.2	11.0	11.3	11.5	10.8	9.8	9.5	8.8	8.5	10.9	12.5	8.5			
5	8.3	8.3	8.0	7.9	7.9	7.7	7.9	8.1	8.5	9.0	9.2	10.6	11.6	13.9	14.3	14.1	13.5	13.3	12.3	10.4	9.0	8.1	8.1	10.2	14.3	7.7				
6	7.4	7.4	7.1	6.8	6.5	6.2	6.0	6.2	7.9	10.0	12.4	14.2	15.3	16.0	16.8	17.8	17.3	16.1	15.2	14.1	13.1	12.1	10.8	10.2	11.4	17.8	6.0			
7	9.6	8.9	8.2	7.9	7.6	7.2	7.2	7.3	8.5	11.5	13.4	14.8	15.9	16.1	15.8	14.7	11.8	11.4	11.5	10.9	10.7	10.5	9.8	9.2	10.9	16.1	7.2			
8	9.1	8.7	8.6	8.9	8.5	8.2	8.2	8.3	10.0	11.9	13.5	14.5	15.5	16.6	17.3	17.6	17.8	16.9	16.1	14.6	13.4	12.5	11.9	10.2	12.4	17.8	8.2			
9	9.7	9.6	9.7	9.7	9.6	9.3	9.1	9.6	10.9	11.7	14.0	15.5	15.9	15.0	14.0	13.9	13.7	14.1	13.6	13.0	12.6	12.0	11.2	10.5	12.0	15.9	9.1			
10	10.3	10.2	10.3	10.1	10.0	9.9	9.9	10.0	10.4	11.3	12.7	14.0	14.5	14.4	15.5	16.4	16.0	15.3	14.4	12.9	12.1	11.5	11.4	11.5	12.3	16.4	9.9			
11	11.2	11.1	11.0	10.7	10.0	9.8	9.7	10.1	11.0	12.6	13.9	14.2	14.7	14.1	14.4	14.4	14.1	14.0	12.9	12.6	13.3	13.7	13.4	13.3	12.5	14.7	9.7			
12	13.4	13.4	13.6	13.4	12.7	11.7	11.3	11.0	11.2	12.5	13.8	15.1	16.2	15.2	15.0	14.1	13.3	13.2	12.6	12.5	12.4	12.1	11.9	13.1	16.2	11.0				
13	11.6	10.8	10.9	10.9	10.7	10.7	11.3	13.1	14.4	16.0	17.5	19.1	20.4	21.2	21.8	21.6	21.6	21.2	20.3	18.8	17.1	16.1	15.5	16.0	21.8	10.7				
14	15.1	14.3	13.2	12.5	12.2	12.0	12.0	12.9	14.8	15.8	16.2	16.7	17.6	18.3	17.8	15.7	14.5	14.7	14.4	13.2	12.8	12.8	12.5	12.2	14.3	18.3	12.0			
15	12.0	11.7	11.3	11.1	10.7	10.6	10.8	10.9	12.3	12.7	13.5	14.0	14.0	14.6	15.4	14.8	14.7	14.1	13.4	12.5	12.3	12.4	12.3	12.4	12.7	15.4	10.6			
16	12.2	12.2	11.7	11.2	10.6	10.4	10.5	10.4	10.6	11.7	12.3	11.4	12.2	12.7	14.0	14.2	13.4	13.3	12.6	11.0	10.1	8.8	8.4	7.8	11.4	14.2	7.8			
17	7.1	6.2	6.3	6.1	5.7	5.4	5.0	5.9	7.7	9.9	11.0	12.2	12.9	13.8	14.4	15.0	15.2	15.0	14.6	13.6	12.7	11.8	10.9	10.1	10.4	15.2	5.0			
18	9.3	7.9	6.6	5.8	5.3	4.8	5.0	8.0	9.9	11.5	14.1	15.6	17.0	17.6	18.3	18.8	19.1	19.2	18.0	15.9	14.6	13.3	12.4	11.1	12.5	19.2	4.8			
19	9.9	9.2	8.2	7.7	7.3	6.7	6.7	7.8	11.3	14.1	16.1	18.0	19.8	21.1	22.3	22.7	22.5	22.1	21.2	18.8	17.0	15.6	14.2	13.1	14.7	22.7	6.7			
20	11.4	10.1	9.3	8.9	8.3	8.0	8.1	10.2	11.9	13.4	15.6	17.9	19.9	21.5	21.7	20.8	20.6	18.8	16.9	14.9	13.5	12.8	12.2	11.7	14.1	21.7	8.0			
21	11.4	11.4	11.3	11.3	11.4	11.6	11.7	IM	11.5	11.7	11.3																			
22	IM																													
23	IM																													
24	IM	17.7	17.8	IM	IM	13.5	13.2	12.9	12.8	12.6	14.4	17.8	12.6																	
25	12.4	12.2	12.1	11.8	11.5	11.1	11.0	11.1	11.4	11.8	12.1	12.6	12.7	13.2	13.8	14.6	14.9	15.1	15.1	14.2	12.6	12.2	12.0	11.7	12.6	15.1	11.0			
26	11.3	10.3	9.7	10.1	9.9	9.5	9.4	10.2	11.7	13.2	15.4	17.0	18.3	20.3	20.6	19.2	18.3	17.0	15.6	14.1	12.9	12.4	12.1	11.8	13.8	20.6	9.4			
27	11.3	11.4	11.9	12.0	12.0	12.2	12.3	12.7	13.9	15.8	18.3	20.9	22.7	24.5	25.4	26.2	26.9	25.9	20.4	16.6	14.1	13.0	12.4	12.2	16.9	26.9	11.3			
28	12.0	11.8	11.9	12.1	12.2	12.3	12.5	12.5	12.7	13.2	14.4	16.4	18.4	19.8	20.8	21.4	21.2	20.4	18.8	16.4	14.3	13.3	12.7	12.7	15.2	21.4	11.8			
29	12.9	12.6	12.4	12.3	12.2	12.1	12.1	12.3	12.8	13.3	14.7	15.8	16.9	18.5	18.5	20.1	21.4	20.9	20.1	16.8	14.3	13.1	12.3	11.7	14.7	21.4	11.7			
30	11.7	11.5	11.2	11.0	10.8	10.6	10.6	11.2	13.8	18.3	21.1	23.5	25.0	26.1	26.8	27.2	27.2	27.3	25.6	22.5	19.7	18.5	16.9	18.3	27.3	10.6				
Average	10.8	10.4	10.1	10.0	9.7	9.5	9.5	9.9	10.9	12.3	13.8	15.0	16.0	16.8	17.4	17.5	17.3	16.8	15.9	14.5	13.4	12.6	12.0	11.5						
Maximum	15.1	14.3	13.6	13.4	12.9	13.0	13.2	13.4	14.8	15.8	18.3	21.1	23.5	25.0	26.1	26.8	27.2	27.2	27.3	25.6	22.5	19.7	18.5	16.9						
Minimum	7.1	6.2	6.3	5.8	5.3	4.8	5.0	5.8	6.4	8.7	9.2	10.6	10.6	10.9	11.4	11.2	11.0	11.3	11.5	10.8	9.8	8.8	8.1	7.8						

Quality Control Codes

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Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 0.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Relative Humidity

Units: Percent (%)

Month: April

Year: 2006

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	90	90	91	91	93	92	91	91	96	89	79	68	61	56	52	50	48	44	46	64	69	69	74	76	74	96	44
2	80	82	84	88	88	90	88	82	76	67	58	53	46	45	50	55	66	85	90	92	95	96	96	77	96	45	
3	96	96	96	96	96	96	95	92	89	86	85	83	85	92	82	75	75	71	80	83	91	94	95	95	89	96	71
4	96	97	97	97	97	95	94	94	93	81	79	88	86	84	78	77	75	73	74	76	73	77	83	87	85	97	73
5	90	90	92	94	94	94	94	94	94	91	88	83	76	54	53	50	51	56	60	63	73	82	86	86	79	94	50
6	90	91	91	93	94	95	94	92	87	80	68	53	51	42	36	42	52	55	59	64	70	79	82	71	95	36	
7	84	87	88	90	90	93	92	92	88	77	68	58	50	48	50	56	77	80	82	87	88	88	89	79	93	48	
8	89	93	94	93	92	93	92	91	86	75	67	61	56	47	40	38	36	44	47	52	60	68	72	80	69	94	36
9	85	86	86	86	87	89	91	89	83	80	62	55	53	61	72	72	72	68	70	74	78	78	83	84	77	91	53
10	85	87	88	93	95	95	96	96	94	89	83	74	72	66	57	50	49	53	55	64	72	76	79	78	77	96	49
11	82	82	80	82	86	87	90	89	85	77	69	65	64	72	76	76	75	73	82	85	78	72	72	70	78	90	64
12	68	67	64	65	72	81	85	89	91	84	78	71	66	77	81	84	87	86	90	85	86	89	89	80	91	64	
13	90	93	95	95	95	96	96	95	88	80	73	66	61	54	51	49	50	50	50	53	61	70	72	75	73	96	49
14	77	81	87	90	91	91	91	89	82	77	76	72	70	68	70	79	80	74	69	70	73	76	79	82	79	91	68
15	85	88	92	94	94	95	95	94	87	81	73	66	64	60	56	57	58	63	66	72	73	73	74	73	76	95	56
16	75	75	78	84	91	93	91	90	90	86	80	88	83	81	72	61	64	63	59	65	72	85	85	90	79	93	59
17	92	94	94	92	93	95	95	93	84	74	65	55	50	47	44	42	42	43	46	54	60	64	69	73	69	95	42
18	75	82	87	89	91	92	92	83	77	68	49	37	35	34	32	30	30	33	36	44	50	68	74	80	61	92	30
19	85	89	91	93	93	93	91	86	77	68	56	44	42	35	35	33	36	37	31	43	48	56	69	72	63	93	31
20	78	83	87	89	91	91	92	86	84	77	68	60	53	48	48	52	53	57	58	67	73	77	81	82	72	92	48
21	84	84	84	84	83	82	82	IM	83	84	82																
22	IM	IM	54																								
23	IM	IM	54																								
24	IM	54	54	IM	IM	76	79	80	79	72	80																
25	79	80	80	81	82	84	81	80	78	75	73	72	71	64	61	58	58	59	64	75	78	80	80	73	84	58	
26	81	85	87	86	88	90	90	87	80	75	68	64	61	54	56	63	65	68	73	78	82	85	86	87	77	90	54
27	89	90	89	89	90	88	88	87	81	74	65	56	50	44	42	37	34	40	63	74	83	87	90	91	72	91	34
28	92	93	91	90	88	87	86	87	87	85	80	74	68	64	63	62	61	63	67	74	81	85	88	79	93	61	
29	87	88	88	87	87	86	87	86	85	84	83	77	73	70	66	62	58	59	61	73	82	87	89	92	79	92	58
30	94	95	96	97	97	97	98	98	97	89	68	57	48	43	40	37	36	33	29	36	50	58	54	68	67	98	29
Average	85	87	88	89	90	91	91	90	86	80	72	66	62	58	56	55	56	58	61	68	73	77	80	82			
Maximum	96	97	97	97	97	98	98	97	91	88	88	86	92	82	84	87	86	90	90	92	95	96	96				
Minimum	68	67	64	65	72	81	81	80	77	68	49	37	35	34	32	30	30	33	29	36	48	56	54	68	67	98	29

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Shelter Temperature

Units: Degrees Celcius (oC)

Month: April

Year: 2006

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min				
1	25.8	26.0	25.9	26.0	26.0	25.9	25.9	25.8	25.9	25.8	25.7	25.5	25.7	26.1	26.7	27.3	27.8	28.0	28.0	27.8	27.2	26.5	25.8	25.6	26.4	28.0	25.5				
2	25.6	25.8	25.8	25.9	25.9	25.8	25.8	25.8	25.7	25.6	25.4	25.3	25.6	26.1	26.6	27.0	27.2	27.1	26.7	26.1	25.6	25.5	25.5	26.0	27.2	25.3					
3	25.5	25.7	25.6	25.7	25.7	25.6	25.5	25.5	25.4	25.4	25.4	25.4	26.4	27.3	27.3	27.0	26.8	26.7	26.6	26.3	26.0	25.6	25.4	25.4	26.0	27.3	25.4				
4	25.5	25.7	25.7	25.7	25.7	25.7	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.5	25.5	25.5	25.5	25.5	25.5	25.6	25.7	25.7	25.6	25.7	25.5				
5	25.7	25.9	25.9	26.0	26.0	25.9	25.8	25.8	25.8	25.8	25.8	25.8	25.6	25.5	25.5	25.2	25.2	25.3	25.3	25.3	25.4	25.5	25.6	25.7	25.6	26.0	25.2				
6	25.7	25.9	25.9	26.0	26.0	25.9	25.8	25.8	25.8	25.8	25.6	25.7	26.4	27.4	28.2	28.9	29.4	29.4	29.0	28.4	27.7	26.9	26.1	25.7	26.8	29.4	25.6				
7	25.6	25.8	25.8	25.9	25.9	25.9	25.8	25.8	25.8	25.7	25.5	25.7	26.2	27.0	27.6	27.7	27.5	26.9	26.1	25.7	25.6	25.6	25.7	26.1	27.7	25.5					
8	25.7	25.9	25.9	25.9	25.9	25.9	25.8	25.8	25.8	25.7	25.5	25.7	26.4	27.4	28.3	28.9	29.3	29.5	29.2	28.5	27.6	26.7	25.9	25.6	26.8	29.5	25.5				
9	25.6	25.8	25.8	25.8	25.9	25.8	25.7	25.7	25.7	25.5	25.4	25.8	26.4	27.1	27.6	27.6	27.5	27.3	27.1	26.8	26.4	25.9	25.6	25.6	26.2	27.6	25.4				
10	25.6	25.8	25.8	25.8	25.8	25.7	25.7	25.7	25.7	25.7	25.6	25.8	27.0	27.4	27.5	27.6	27.8	28.0	28.0	27.8	27.3	26.6	25.9	25.6	26.5	28.0	25.6				
11	25.6	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.7	25.7	25.6	25.4	25.4	25.3	25.3	25.3	25.3	25.4	25.5	25.5	25.5	25.5	25.5	25.6	25.8	25.3					
12	25.6	25.7	25.7	25.7	25.7	25.6	25.6	25.6	25.7	25.6	25.6	26.7	26.6	26.4	26.2	25.9	25.6	25.5	25.5	25.5	25.6	25.6	25.8	26.7	25.5						
13	25.6	25.8	25.8	25.8	25.8	25.7	25.7	25.6	25.5	25.5	25.9	26.9	27.9	28.9	29.7	30.3	30.8	31.1	31.2	30.9	30.4	29.8	29.0	28.0	31.2	25.5					
14	28.4	28.2	27.8	27.3	26.8	26.1	25.7	25.6	25.4	25.3	25.4	25.6	26.1	26.8	27.6	28.1	28.0	27.6	27.2	26.8	26.1	25.6	25.5	25.5	26.6	28.4	25.3				
15	25.5	25.6	25.6	25.7	25.8	25.7	25.7	25.7	25.7	25.6	25.5	25.5	25.6	25.9	26.2	26.5	26.9	27.2	27.3	27.2	26.9	26.4	25.8	25.5	26.0	27.3	25.5				
16	25.5	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.7	25.7	25.6	25.6	25.6	25.5	25.4	25.5	25.6	25.6	25.6	25.6	25.7	25.7	25.8	25.6	25.8	25.4					
17	25.8	26.0	26.0	26.0	26.0	25.9	25.8	25.8	25.8	25.8	25.6	25.6	25.8	26.0	26.1	26.2	26.1	26.0	25.9	25.7	25.6	25.6	25.7	25.8	25.9	26.2	25.6				
18	25.8	25.9	25.9	26.0	26.0	25.9	25.9	25.9	25.9	25.8	25.7	25.8	26.2	26.8	27.3	27.9	28.2	28.5	28.8	28.7	28.2	27.4	26.7	26.0	26.7	28.8	25.7				
19	25.7	25.8	25.8	25.9	25.9	25.9	25.8	25.8	25.8	25.6	26.0	26.8	27.9	28.9	29.7	30.5	31.0	31.3	31.5	31.4	30.8	30.1	29.2	28.3	28.0	31.5	25.6				
20	27.5	26.9	26.9	26.2	26.0	25.9	25.9	25.8	25.8	25.8	25.6	26.3	27.0	27.2	28.4	29.5	30.1	30.4	30.4	30.0	29.2	28.2	27.2	26.3	27.4	30.4	25.6				
21	25.6	25.1	24.8	24.7	24.7	24.6	24.6	IM	24.9	25.6	24.6																				
22	IM	25.3	25.8	24.7																											
23	IM	27.2	31.3	24.5																											
24	IM	28.8	34.8	24.4																											
25	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.5	24.6	24.7	24.5	24.5	24.4	24.4	24.4	24.4	24.7	25.0	25.5	25.8	26.0	25.7	25.2	24.8	24.6	24.8	26.0	24.4			
26	24.5	24.7	24.7	24.8	24.8	24.7	24.6	24.5	24.5	24.5	24.5	24.7	25.6	26.9	28.2	29.4	30.5	31.1	31.3	31.3	31.0	30.4	29.4	28.4	27.4	27.2	31.3	24.5			
27	26.6	26.1	25.6	25.1	24.9	24.7	24.6	24.5	24.4	24.7	25.7	27.1	28.6	30.0	31.2	32.2	33.0	33.7	34.5	34.8	34.3	33.2	31.9	30.5	28.8	34.8	24.4				
28	29.3	28.5	27.8	27.1	26.6	26.0	25.4	24.9	24.6	24.4	24.5	25.1	26.1	27.3	28.5	29.6	30.5	31.1	31.7	32.0	31.7	30.8	29.8	28.8	28.0	32.0	24.4				
29	27.9	27.4	27.0	26.5	26.2	25.7	25.2	24.8	24.5	24.5	24.4	24.7	25.3	26.3	27.3	28.2	29.1	29.9	30.6	31.1	31.1	30.5	29.7	28.7	27.4	31.1	24.4				
30	27.7	27.2	26.7	26.2	25.8	25.3	24.8	24.6	24.5	24.5	25.0	26.2	27.6	29.1	30.4	31.6	32.5	33.3	34.1	34.8	35.0	34.6	33.9	33.1	29.1	35.0	24.5				
Average	26.1	26.1	25.9	25.8	25.8	25.6	25.5	25.4	25.4	25.4	25.7	26.3	26.9	27.5	27.8	28.1	28.4	28.4	28.2	27.9	27.4	26.9	26.6								
Maximum	29.3	28.5	27.8	27.3	26.8	26.1	25.9	25.9	25.8	26.0	27.1	28.6	30.0	31.2	32.2	33.0	33.7	34.5	34.8	35.0	34.6	33.9	33.1								
Minimum	24.5	24.7	24.7	24.7	24.7	24.6	24.6	24.5	24.4	24.4	24.4	24.5	24.4	24.4	24.4	24.4	24.7	25.0	25.3	25.3	25.4	25.2	24.8	24.6	24.7	24.8	24.5				

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Table 1

**PM₁₀ SAMPLER DATA
METCALF ENERGY CENTER INITIAL AIR QUALITY STUDY**

Run Date	Filter ID	Sampler ID	Technician	Run Type	PM10		Notes
					Flow Rate (m³/min)	Concentration (µg/m³)	
03/30/06	06-Q190	1	DBW	24-Hour	1.09	9.00	
03/30/06	06-Q189	2	DBW	Collocated	1.10	8.69	
04/05/06	06-Q236	1	DBW	24-Hour	1.09	8.43	
04/11/06	06-Q245	1	DBW	24-Hour	1.08	6.97	
04/17/06	06-Q244	1	DBW	24-Hour	1.09	9.01	
04/23/06	06-Q242	2	DBW	Blank	-	-	Wt. = 1,400 µg
04/23/06	06-Q243	1	DBW	24-Hour	1.10	12.93	

Source: PCR Services Corporation.